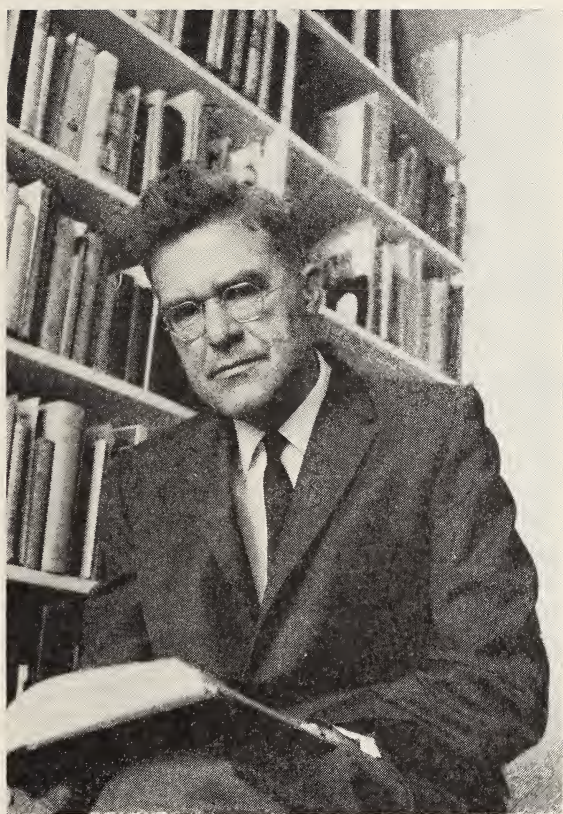


Last of 18 distinguished Centennial Professors, Professor Wilfred C. Smith will be here in January. Professor Smith, brother of Arnold Smith, Secretary-General of the Commonwealth, a Centennial Professor in October, is a graduate of U of T and Princeton and an ordained minister of the United Church of Canada. He has lived and travelled widely in Asia and is regarded as an authority on modern Islam. He has been Professor of World Religions and Director of the Center for the Study of World Religions at Harvard since 1963.



JANUARY 1968

STAFF

bulletin

UNIVERSITY OF TORONTO





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JANUARY EVENTS

3 WEDNESDAY

- Tour Ten-to-One ROM Tour. Far Eastern Art is the subject of the half-hour tour beginning in the Main Rotunda at 12.50 p.m.
- Colloquium Department of Computer Science. "Formal Description and Parsing of Pictures". Alan C. Shaw, Department of Computer Science, Stanford University. Room 134, McLellan Physical Laboratories. 4 p.m.

4 THURSDAY

- Lecture Graduate Department of Classics. "Solon and the Hektemoroi". Prof. A. Andrewes, Wykeham Professor of Ancient History, University of Oxford. Room 240, Larkin Building. 4.30 p.m.

5 FRIDAY

- Seminar Graduate Department of Classics. "Solonial Problems". Prof. A. Andrewes. Room 24, Trinity College. 4.30 p.m.

6 SATURDAY

- Lecture Royal Canadian Institute. "The Crown Jewels of Iran". Dr. V. B. Meen. Convocation Hall. 8.15 p.m.

7 SUNDAY

- Film Free Sunday Films. "The Beach—A River of Sand"; "The Monkeys of Mysore"; and "The Art of the Swordsmith". Museum Theatre. 2 p.m.

8 MONDAY

Lectures

Graduate Department of Italian and Hispanic Languages and Literatures. "Spanish Costume of the Golden Age as a Chronological Norm for Literature" (with slides). Prof. Ruth Lee Kennedy, University of Arizona. Upper Library, Massey College. 8 p.m.

First in a series of eight public lectures on the general theme "Evolution in the 19th Century—Without the Darwins". Dr. W. E. Swinton, Centennial Professor. "T. Malthus and W. Paley: Two dissident clergymen". Seeley Hall, Trinity College. 5.30 p.m.

9 TUESDAY

Lectures

Graduate Department of Italian and Hispanic Languages and Literatures. "*La Estrella de Seville* Restudied". Prof. Ruth Lee Kennedy. Room 1074, Sidney Smith Hall. 2.10 p.m.

"Belief and Faith, as Seen by a Comparative Religionist". The Rev. Wilfred C. Smith, Professor of World Religions and Director of the Center for the Study of World Religions, Harvard University; Centennial Professor, University of Toronto. MacMillan Theatre, Edward Johnson Building. 4.15 p.m.

10 WEDNESDAY

Tour

Ten-to-One ROM Tour. Ancient Egypt. Main Rotunda. 12.50 p.m.

Music

Victoria College. The Eric Rollinson Memorial Organ Recital. Thomas Plaunt. Victoria College Chapel. 5.15 p.m.

Lecture

Graduate Department of Near Eastern Studies. "The Current (Fourth) Great Age of Bible Translation: Catholic, Jewish, Protestant". Prof. Harry M. Orlinsky, Hebrew Union College, Jewish Institute of Religion, New York; and editor-in-chief, New Jewish Version of the Bible. Room 3, New Academic Building, Victoria University. 8 p.m.

11 THURSDAY

Seminar

Institute for Aerospace Studies. "Research Management Seminar No. 4". Dr. W. Gauvin, Noranda. Main Lecture Room. 2 p.m.

Music

Faculty of Music Concert Choir; conductor Elmer Iseler. Concert Hall, Edward Johnson Building. 2 p.m. Free.

Faculty of Music Special Events Series. LaSalle String Quartet. Concert Hall, Edward Johnson Building. 8.30 p.m. Box Office: 928-3744.

Seminar

Graduate Department of Near Eastern Studies. "Isaiah 1:1-2;4—A Contextual Study". Prof. Harry M. Orlinsky. Room 3050, Sidney Smith Hall. 4 p.m.

Theatre

The *Poculi Ludique Societas* will present a production of two plays from the Towneley Mystery Cycle, the *Mactacio Abel* and the *Proccessus Noe Cum Filiis*, directed by Reiner Sauer. Jan 11, 13, and 14. West Hall, U.C. 3.15 p.m.

12 FRIDAY

- Athletics Hockey. Guelph at Varsity. Varsity Arena. 8 p.m.
Swimming. Guelph at Varsity. Hart House. 8 p.m.

13 SATURDAY

- Seminar Centre for Medieval Studies. "The Culture of the Medieval Town". Three short papers: "Bourgeois Literature in the Middle Ages". Prof. J. Flinn. "The Friars and the Town". Rev. Keith Egan, Prior, Mount Carmel College, Niagara Falls. "The Centres of Medieval Town Life". Prof. J. Acland. Music Room, Hart House. 10 a.m. to 12.30 p.m. Reception and Lunch. Faculty Club. 12.30 p.m. Presentation of "The Slaying of Abel" and "Noah" from the Towneley Cycle of Mystery Plays. West Hall, U.C. 3.15 p.m. Registration: Centre for Medieval Studies, 39 Queen's Park Crescent East (928-2380).
- Lecture Royal Canadian Institute. "Satellites, Wave Guides and Bits". A. C. Lester, executive vice-president (Planning and Research), Bell Telephone Co. of Canada, Montreal. Convocation Hall. 8.15 p.m.
- Athletics High School invitation gymnastics meet. Hart House. 1.30 p.m. R.M.C. Fencing. Hart House. 1.30 p.m. Physical and Health Education Alumni Night: Wrestling and Swimming meet. Hart House. 7 p.m. Basketball. Western at Varsity. Hart House. 8.30 p.m.

15 MONDAY

- Lectures Graduate Department of Music. "Virtuosity and Expression in Elizabethan Keyboard Music". Prof. Edward Lowinsky, University of Chicago. Room 116, Edward Johnson Building. 4.10 p.m.
- Music "Evolution in the 19th Century—Without the Darwins" series. "J. Lamarck and G. Cuvier: Two dissident Frenchmen". Dr. W. E. Swinton. Seeley Hall, Trinity College. 5.30 p.m.
- Music Young Composers concert. Student composers and performers from McGill University. Concert Hall, Edward Johnson Building. 8.30 p.m. Free. No tickets required.

16 TUESDAY

- Seminar "Belief and Faith: Philosophical Interpretations". The Rev. Wilfred C. Smith, Centennial Professor. Seeley Hall, Trinity College. 4.15 p.m.
- Lecture Victoria College Lecture Series. "Erasmus and the Liberal Catholic Reform". Dr. Roland H. Bainton, Professor Emeritus of Divinity, Yale University. Lecture Hall, Academic Building. 4.30 p.m.
- Seminar Department of Zoology. "Ventilatory and Cardiac Accommodations for Thermal Stress in Trout". Dr. J. L. Roberts, Department of Zoology, University of Massachusetts. Room 432, Ramsay Wright Zoological Laboratories. 4.30 p.m.
- Music Gabrieli Brass Quintet. Music Room, Hart House. 4 p.m. Ladies welcome.

17 WEDNESDAY

- Tour Ten-to-One Tour. English Furniture. Main Rotunda. 12.50 p.m.
- Lecture Victoria College Lecture Series. "Erasmus and the Protestant Reform". Dr. Roland H. Bainton, Yale University. Lecture Hall, Academic Building. 4.30 p.m.

18 THURSDAY

- Seminar Institute for Aerospace Studies. "Optimal Guidance from Hyperbolic to Circular Orbits". Dr. T. N. Edelbaum, Analytical Mechanics Associates Inc. Main Lecture Room. 2 p.m.
- Lecture Graduate Department of Italian and Hispanic Languages and Literatures. "Pirandello and Verga". Prof. Olga Ragusa, Columbia University. Room 1086, Sidney Smith Hall. 3 p.m.

19 FRIDAY

- Lecture Pontifical Institute of Mediaeval Studies. "On St. Thomas Today". Ignatius Eschmann, o.p. Teefy B, St. Michael's College. 3.10 p.m.
- Supper Faculty Club Lobster Buffet Supper. 5.30 to 8 p.m.
- Music Royal Conservatory of Music Opera School. "I Combattimento di Tancredi e Clorinda" by Monteverdi; conductor, Ernesto Barbini; and "The Unwilling Physician" by Salvatore Allegra, after Molière's "Le Medecin Malgré Lui"; conductor, the composer. MacMillan Theatre, Edward Johnson Building. 8.30 p.m. Tickets \$1.50, Box Office, Edward Johnson Building. Ticket proceeds devoted exclusively to scholarship funds.

20 SATURDAY

- Lecture Royal Canadian Institute. "Galapagos: Living Laboratory". John A. Livingston, executive producer, Science Unit, CBC. Convocation Hall, 8.15 p.m.
- Athletics Swimming and Wrestling. Western at Varsity. Hart House. 7.30 p.m. Boxing. R.M.C. at Varsity. Hart House. 8 p.m.

21 SUNDAY

- Film Free Sunday film. "The World of Apu". Museum Theatre. 2 p.m.
- Service Massey College Chapel Service. Music: *The "Leroy" Kyrie*, by Taverner; *Almighty God who by the leading of a Star*, by John Bull; *Nunc Dimittis*, by Thomkins. 5 p.m.
- Music Music composed by staff members of the Faculty of Music and played by students' ensembles. Great Hall, Hart House. 8.30 p.m. Tickets from the Hall Porter.

22 MONDAY

- Lecture "Evolution in the 19th Century—Without the Darwins" series. Dr. W. E. Swinton. "Drs. Wells, Lawrence and Prichard: Three evolutionary physicians". Seeley Hall, Trinity College. 5.30 p.m.

23 TUESDAY

- Lectures Victoria College Lecture Series. "The Idea of Vehemence in Marston, Milton and Donne". Prof. A. M. Endicott. Lecture Hall, Academic Building. 4.30 p.m.
- Archaeological Institute of America, Toronto Society. "Archaeology and the New Technology". Dr. Froelich Rainey, Director, University of Pennsylvania Museum. ROM Theatre. 4.30 p.m. Free.

(Continued)

23 TUESDAY

(Continued)

Seminars

"Belief and Faith: Judeo-Christian Interpretations". The Rev. Wilfred C. Smith, Centennial Professor. Seeley Hall, Trinity College. 4.15 p.m.

Department of Zoology. "The Phosphorus Cycle in Lakewater—A model of Scientific Confusion". Dr. F. Rigler. Room 432, Ramsay Wright Zoological Laboratories. 4.30 p.m.

United Nations Association in Canada and Division of University Extension. "Minority Groups and Action in the Local Community". Alan Borovy, director, Labour Committee for Human Rights. Scarborough College. 8 p.m. Tickets, \$1.25.

24 WEDNESDAY

Music

Victoria College. The Eric Rollinson Memorial Organ Recital. Patrick Wedd. Victoria College Chapel. 5.15 p.m.

Tours

Ten-to-One Tours. Tours of the ROM Gallery of Mineralogy and the Hall of Fossil Invertebrates. Both start in the Main Rotunda at 12.50 p.m.

Athletics

Basketball. Waterloo at Varsity. 8.30 p.m. Intramural Wrestling and Swimming. 7.30 p.m. Hart House.

25 THURSDAY

Music

Faculty of Music Ensembles. Concert Hall, Edward Johnson Building. 2 p.m. Free.

Lecture

Royal Ontario Museum. "An Inquiry into Tibetan Painting". Dr. Pratapaditya Pal, Keeper of the Indian Collection, Museum of Fine Arts, Boston. The "Arts of India and Nepal" exhibition will remain open at the ROM on this date until 10 p.m. Admission to the Museum and exhibition after 5 p.m. will be \$1. Dr. Pal's free lecture is at 8.30 p.m. in the theatre.

27 SATURDAY

Lecture

Royal Canadian Institute and Royal Astronomical Society of Canada, Toronto Centre, joint meeting. "The Stars Fell out of the Sky". Dr. Peter M. Millman, Head of Upper Atmosphere Research, National Research Council. Convocation Hall. 8.15 p.m.

28 SUNDAY

Music

Hart House Orchestra, conducted by Dr. Boyd Neel, "The Mannheim Era". Great Hall, Hart House. 8.30 p.m.

Open House

Hart House Visitors' Sunday. 2 to 5 p.m.

29 MONDAY

Music

Organ Recital. Dr. Charles Peaker, University of Toronto organist. Convocation Hall. 5.05 p.m.

Lecture

"Evolution in the 19th Century—Without the Darwins" Series. Dr. W. E. Swinton. "Sir C. Lyell, P. Mathew, and R. Chambers: Three evolutionary Scotsmen". Seeley Hall, Trinity College. 5.30 p.m.

30 TUESDAY

Lectures

Committee on History and Philosophy of Science and the Centre for Medieval Studies. "Euclid and the Middle Ages". Prof. Marshall Clagett, Institute for Advanced Study, Princeton. Room 102, Mechanical Building. 1.10 p.m.

Prof. William H. Jordy, Brown University, Visiting Professor of American Studies, will lecture on Louis Sullivan's Visitation of America and the realization of it in his architecture in two illustrated lectures on Jan. 30 and Feb. 1. Room 202, McLennan Physical Laboratories. 4.15 p.m. There will also be a colloquium, the details of which are to be arranged.

Victoria College Lecture Series, "Canada and the Pax Americana". John W. Holmes, director-general, Canadian Institute of International Affairs, and visiting professor of International Affairs, U. of T. Lecture Hall, Academic Building. 4.30 p.m.

Seminars

"Belief and Faith: Asian Interpretations". The Rev. Wilfred C. Smith, Centennial Professor. Seeley Hall, Trinity College. 4.15 p.m.

Department of Zoology. "The Genetic Basis of Eye Color Pigmentation in *Ephesia*". Dr. E. W. Caspari, Department of Biology, University of Rochester. Room 432, Ramsay Wright Biological Laboratories. 4.30 p.m.

WEDNESDAY

Tours

Ten-to-One ROM Tours. One tour in the Athens gallery, and another on Pioneer Life. Both start in the Main Rotunda at 12.50 p.m.

Wilfred Smith: Final Centennial Professor

The Rev. Wilfred C. Smith, Professor of World Religions and Director of the Center for the Study of World Religions at Harvard University, will be on the St. George Campus in January as the 18th, and final, Centennial Professor.

In addition, Dr. William E. Swinton, Professor of the History of Science at U of T, will begin a new series of Centennial Professorship lectures this month as a continuation of his part in the 19-month-long project made possible by the Varsity Fund and the Associates of the University of Toronto Inc.

From July 1966 to this first month of 1968, eminent scholars in a variety of fields—history, literature, government, the classics, economics, science, Nobel Prize winners and philosophers—have graced the lecture halls and classrooms as the University of Toronto's intellectual commemoration

of the 100th anniversary of Confederation.

Professor Smith will give one public lecture and take part in three dialogues and discussions:

Public lecture, "Belief and Faith, as Seen by a Comparative Religionist", Tuesday, January 9, 4.15 p.m., MacMillan Theatre, Edward Johnson Building.

Dialogues and discussions, all at 4.15 p.m. in Seeley Hall, Trinity College—Tuesday, January 16, "Belief and Faith: Philosophical Interpretations"; Tuesday, January 23, "Belief and Faith: Judeo-Christian Interpretations"; Tuesday, January 30, "Belief and Faith: Asian Interpretations".

Centennial Professor William E. Swinton's new series of lectures, "Evolution in the 19th Century—Without the Darwins", will be given on successive Mondays from January 8 to February 26 at 5.30 p.m. in Seeley Hall, Trinity College. See Events.

Exhibitions

Stamps publicizing post-war co-operation among European nations in the Common Market and other activities. ROM Lower Rotunda. Jan. 3 to Feb. 7.

L'amitié Franco-Canadienne. From the French Pavilion at Expo comes this special exhibition of original documents, maps and paintings. All are related to the 250 years Canada was a French colony prior to the British conquest. Sigmund Samuel Canadiana Building, 14 Queen's Park Cres. West. Jan. 20 until mid-March.

Arts of India and Nepal. The Nasli and Alice Heeramanek collection of the Art of greater India has been described as the finest such collection in the Western Hemisphere. It spans 4,000 years of history. Included are superb sculptures, bronzes, paintings and other precious objects, more than 250 in all. The exhibition is being shown in Canada only at the ROM. It was

organized by the Museum of Fine Arts, Boston. A 192-page catalogue with 12 colour plates is available. Admission to the Exhibition: Adults 75 cents, children 25 cents. It is in the ROM Exhibition Hall from Jan. 23 until March 10. On Jan. 25 and Feb. 22, the Exhibition will be open until 10 p.m.

Graphic Art from Yugoslavia. Sixty prints by 16 Yugoslav artists are included in the exhibition. The favoured techniques are wood engraving, etching and aquatint. ROM Lower Rotunda. Jan. 23 until Feb. 11.

Winning entries in the Pilkington Traveling Scholarship Competition in Architecture will be on exhibition in the exhibition hall of 230 College from Jan. 5.

Until Jan. 10 an outstanding exhibition of German Church Architecture of the 20th Century, loaned by the West German Government, will be in the exhibition halls of 230 College Street.

University of Toronto Senate: Summary of Minutes, Dec. 8, 1967

(1) The minutes of the meeting of November 10, 1967 were approved.

(2) During the enquiries period, the Senate heard:

(a) A statement by the Acting President about the stage reached in the study of the recommendations of the Report of the Presidential Advisory Committee on Undergraduate Instruction in the Faculty of Arts and Science

(b) A statement by the Dean of Scarborough College concerning the first year examination results in the General Course in Science for the academic year 1966-67.

(3) The Senate received as a communication a proposal to the Board of Governors from the Council of the Faculty of Arts and Science concerning the appointment of students as members of the Council and its Committees.

(4) The Senate approved a report from the Council of the School of Graduate Studies recommending first reading of a statute to change the name of the Graduate Department of Classics to the Graduate Department of Classical Studies. First

reading was given to a statute incorporating this change.

(5) The Senate considered a report from the Executive Committee and gave first reading to the following statutes:

(i) a statute amending the composition of the Senate to provide for student representation, minor changes in the representation of the graduates and in the ex-officio membership of the Senate

(ii) a statute amending the Consolidated Statutes of the Senate to empower the Executive Committee to approve on behalf of the Senate changes in courses of study

(iii) a statute amending the Consolidated Statutes of the Senate to permit the introduction and the approval of a statute of the Senate at the same meeting of the Senate, provided that the details of the proposal for which Senate approval is sought have been circulated to all members of the Senate with the notice calling the meeting of the Senate.

(6) The Senate considered a report of the Board of Medical Studies recommending

that registration for all premedical students in either New or Innis College be made compulsory. The Senate has recommended acceptance of this proposal to the Board of Governors.

(7) The Senate approved a report of the Committee on Admission Standards, recommending and reporting as follows:

(i) recommending that Hebrew be approved as a subject for purposes of admission to this University, and that evidence of proficiency be determined either

(a) by means of a school report presented by one of the three following schools: Beth Jacob High School for Girls, The Associated Hebrew Schools of Toronto, Ner Israel Yeshiva College of Toronto; or

(b) on the results of a special examination conducted in a manner acceptable to the Committee on Admission Standards.

(ii) recommending that the Office of Admissions be empowered, with the agreement of the faculties concerned, to offer early final admission in 1968 to as many qualified applicants as possible, taking into consideration all the

information available on the record of each applicant.

(iii) reporting that any proposed changes in subject requirements for admission to the University for the session 1969-70 must be approved by the Senate at its meeting in February, 1968, in order that the schools may be informed of these changes in time to plan timetables and staff requirements for the school session 1968-69.

(8) The Senate approved a report of the Committee on Admissions concerning 21 cases of students not fully meeting the University's admission requirements. Fifteen of the applicants concerned were denied admission and 6 applicants were granted admission subject to the approval of the faculties concerned.

(9) The Senate approved a report of the Committee on Scholarships and Other Awards concerning two new awards, three amendments to existing awards, and three withdrawals of awards.

(10) The Senate gave second reading to statutes amending the Courses of Study and Calendars for the Session 1967-68 in the following Faculties and Schools: Applied Science and Engineering, Food Sciences, Music, Graduate Studies, Hygiene, Forestry.

The President's Council

At its meeting on December 11 the President's Council considered a number of recommendations presented by the Dean of Medicine bearing on the application of the general regulations regarding academic tenure and appointments within the Faculty of Medicine. Certain medical appointments have peculiar features, such as parallel appointments to hospital staffs or funding from sources outside the University budget, which are not found in other divisions of the University and which give rise to difficulties in applying the general regulations.

The Council recognized the distinctive problems in Medicine, but felt that it would be unwise to make exceptions to the University-wide policies that had been worked out in the Haist Committee and later in the Council itself without very careful and detailed consideration. Accordingly the Council referred the recommenda-

tions from Medicine to a subcommittee to be named by Dr. Woodside.

There was a discussion of the possibility of improving the arrangements to assist members of staff with their housing problems, and the Council took steps to obtain further information on this topic.

Clarification

In our December '67 issue, members of the President's Council elected by the Faculty of Arts and Science were reported as "Prof. J. B. Conacher (Humanities and Social Sciences); Prof. K. G. McNeill (Sciences); Prof. L. E. Lynch (Federated Colleges)".

A member of Council has pointed out that the use of the words in parentheses implied separate elections in each of three divisions when, in fact, each voter endorsed the candidates he felt were best qualified to represent the Faculty as a whole.

Planning to Sub-let your House?

The Housing Service again requests staff members who are taking prolonged leave to consider renting their Toronto houses through the University Housing Service. This is a service provided by the University to assist staff and students to obtain accommodation. Listings, as reported to it by householders are maintained but no responsibility is accepted either for the accommodation or for the tenants referred.

The annual influx of enquiries from visit-

ing professors and summer school staff has already begun. Some are interested in exchanging houses but most of the requests are for a straight rental arrangement. Family homes where children can be accommodated are in great demand.

If any staff member is considering renting his house, even for only the summer months, the Housing Service would appreciate being notified by letter (134 St. George Street) or by phone (928-2542).

Charter Flights to Britain

Applications for the following flights from Toronto to London and return are available at the Students' Administrative Council from 9 a.m. to 5 p.m.:

(1) leaving May 27, returning Sept. 13 (BOAC), \$242. (2) May 30-Sept. 7 (Air Canada), \$242. (3) June 9-Sept. 5 (Air Canada), \$242. (4) June 11-July 5 (BOAC), \$242. (5) May 8-June 3 (Caledonia-turbo-prop), \$186.

University of Toronto staff members and their spouses are eligible, as are dependant children and parents living with the eligible staff member. A \$100 deposit is required at time of application, the balance becoming due on Feb. 2. After that date money is refunded only if and when the seat is taken by an eligible placement. *All* cancellations and flight changes are subject to a \$5 administration fee.

No Parking? Travel T.T.C.

Until additional space becomes available within a couple of months, there is only one parking lot open on the St. George Campus to students and occasional drivers, the Safety and Security Division reports.

This parking area, at St. George and Harbord Streets, is usually full well before 9 a.m. and a motorist arriving later than that has little chance of finding a place for his car. The best solution to the problem, Safety and Security officers suggest, is to use public transportation unless there is

urgent need for an automobile in one's work.

It will be several weeks at least before another public parking area will be open on Huron Street near Sussex Avenue. Then, by spring, the parking problem will become really acute when the space open to motorists now in the St. George-Harbord-Huron-Sussex block will be taken over by the contractors for the Humanities and Social Sciences Research Library and the School of Library Science which will be built there.

Lock or Hide Valuables

Members of the staff are reminded again to protect their personal belongings against theft. The Safety and Security Division reports that the incidence of theft of purses, wallets and wearing apparel has risen sharply in recent weeks.

To safeguard yourself from loss:

Lock up or hide such things as purses and brief cases when you have to leave your office unoccupied—or take them with you.

Keep cash or wallets on your person—don't leave them in a coat hanging on a rack where a trespasser has easy access to them.

Whenever you are away from your room for any length of time, lock desks and the outer door. Office equipment, and even pens and small articles from open desk drawers, may be stolen.

Report any loss or apparent theft to the University Police by calling 2323.

The United Appeal

The United Appeal for Metropolitan Toronto is the most extensive charitable campaign in this community and one to which many members of the staff of the University of Toronto have contributed for many years. Nearly a decade ago an organization was developed on the campus of the University of Toronto under the chairmanship of Professor Gilbert de B. Robinson (now Vice-President of Research Administration). This organization requires the volunteer effort of 6 Division Chairmen and more than 80 canvassers in the various Departments, Centres and Institutes within the University.

Although a good deal of effort is made in the early Fall each year to reach every member of the staff and to provide him with an opportunity to secure information and to contribute if he wishes, there has been relatively little feed-back to indicate what financial results have been achieved. It is most encouraging to be able to report, therefore, that contributions within the Uni-

versity during the recent campaign for the support of health and social welfare organizations in Metropolitan Toronto exceeded \$93,000. A year ago the comparable figure was just over \$78,000; in 1965 just under \$76,000. In 1959, when the records were first kept, members of the University contributed \$45,000.

Most of the organizational and administrative work in this campaign is undertaken by Mr. Ralph Albrant, Director of Development, and his staff. The co-operation of the Chief Accountant's office in handling payroll deductions and, this year, in receiving returns from canvassers has also been an important factor in our success. The undersigned has been General Chairman for the past two years and wishes to express his appreciation to all colleagues who volunteered their time and effort during the past few months.

*Albert Rose,
Professor*

Appointments and Promotions

Arts and Science

JOHN PORTER has been appointed professor in the Department of Sociology, effect July 1 next. Prof. Porter has been on the staff of Carleton University since 1949, first as lecturer, then through the professorial ranks. Since 1963 he has been director of the Social Sciences Division of Carleton's Faculty of Arts.

Prof. Porter, widely known to the public as well as to his academic confreres as the author of *The Vertical Mosaic*, received the MacIver Award of the American Sociological Association in 1966 "for his comprehensive analysis of stratification in Canadian society, and his contribution to macrosociology". He was also the author of *Canadian Social Structures: A Statistical Profile*, and a co-editor of *Canadian Society: Sociological Perspectives*. He is a frequent contributor to scholarly journals.

Prof. Porter, B.Sc.(Econ.), London School of Economics, 1949, and D.Sc.(Econ.), University of London, 1966, was a research associate at U. of T., 1957-58, a Canada Council Senior Fellow, 1961-62, and a Federal Department of Labour Fellow in the International Institute for Labour Studies at Geneva, 1966-67.

L. ZAKUTA has been promoted to the rank of professor in the Department of Sociology.

The following have been promoted to the rank of assistant professor: Mrs. J. M. VASTOKAS (Anthropology and Fine Art); A. ROTSTEIN (Political Economy); Miss J. PRESTON (Psychology).

Scarborough College

R. L. JAMES has been named assistant to the chairman of the Department of Sociology in the College.

Medicine

A. W. CONN has been promoted to professor in the Department of Anaesthesia.

Graduate Studies

MILTON ISRAEL of the Department of History has been appointed assistant to the Dean of the School. Dr. Israel was educated at Trinity College, Hartford, Conn. and at the University of Michigan. A specialist in Indian and Commonwealth History, he was a Fulbright Fellow in India, 1963-64, before joining the faculty here.

Physical and Health Education

DR. J. HARRY EBBS has been appointed Director of the School of Physical and Health Education, as of Jan. 1, a position he had held for some ten years prior to 1963-64, when he resigned in order to devote all of his time to staff work at the Hospital for Sick Children.

Dr. Ebbs studied for his M.D. degree at the University of Toronto, from which he graduated in 1931, and interned at the Hospital for Sick Children. After a year at the Babies' Hospital in New York, he spent four years at the Children's Hospital, Birmingham, England, at the same time doing graduate work at the University of Birmingham, from which he received a Doctorate of Medicine in 1938. Dr. Ebbs was a clinical teacher in paediatrics at U. of T. and later assistant professor of Paediatrics. He is a Fellow of the Royal College of Physicians of both England and Canada.

During his term as Director of Physical and Health Education, Dr. Ebbs continued to teach at the University. He was largely responsible for changing the baccalaureate program in P. and H.E. from a three- to a four-year course, and emphasized the need for initiating research projects which would provide the climate for possible graduate education.

In the 1963-64 academic year, Dr. Ebbs relinquished his position in order to spend

more of his time in paediatrics at the Hospital for Sick Children as a staff member, although he continued as a professor in the University Department of Paediatrics and as a member of the P. and H.E. School Council.

Computer Science

THOMAS E. HULL has been appointed chairman of the Department of Computer Science effective Jan. 1, replacing Calvin C. Gotlieb, who is retiring from this post, but continuing as professor of Computer Science and Physics, and as director of the Institute of Computer Science.

Prof. Hull took his B.A., M.A. and Ph.D. degrees at Toronto. He joined the University of British Columbia's Mathematics Department in 1949, and from 1957 was supervisor of that university's Computing Centre. Dr. Hull instructed at Toronto from 1946 to 1949, and also has held posts at the California Institute of Technology, Stanford University, and at the Courant Institute of Mathematical Sciences, New York University.

O.I.S.E.

(Ontario Institute for Studies in Education)

H. H. STERN of the University of Essex has been appointed professor, Department of Curriculum and director of the Modern Language Study, effective April, 1968.

NOTES

Arts and Science

PROFS. FERNIE, HEARD, HOGG, MACRAE and VAN DEN BERGH attended a meeting of the American Astronomical Society in Philadelphia, Dec. 5-7. Six papers were presented by members of the staff and graduate students of the Department of Astronomy.

PROF. N. P. BADENHUIZEN spent from March to June in the Technical University of Zürich (Switzerland), where he applied new techniques to his studies on the formation of starch. He gave several lectures to the Electron Microscope Division of that university. The rest of his long leave was spent in Africa, where he lectured in the University of the Witwatersrand (Johannesburg) and made extensive botanical excursions, including the Cape Peninsula and Botswana.

PROF. RICHARD MCKINNON, Associate

Director of the Centre for Asian Arts, University of Washington conducted a seminar on "Kyōgen (comic interludes) and Noh" and gave a lecture on "A Dimension of a Comedy" and film "Tsurigitsune" (A Fox in the Trap), Nov. 20.

PROF. A. L. BASHAM from the Australian National University, Canberra, gave a lecture on "The Secular Tradition in Ancient India" and conducted a seminar on "Arthaśāstra", Dec. 4.

In December, PROF. LESLIE CURRY attended a colloquium on Time Series Analysis at the University of Kansas in their series on Computer Applications in the Earth Sciences. He presented a paper on "A Wave Statistics Model for Climatic Time Series". He also addressed a seminar in the Geography Department at Kansas on Statistical Climatology.

PROF. IAN BURTON gave a lecture at the

University of California, Berkeley in December, entitled "The New Environmentalism".

PROF. ALAN JOPLING represented the Engineering Geology Division of the Geological Society of America at an interdisciplinary meeting dealing with the problems of standardization of grain size terminology in Washington in November.

PROF. C. M. HANLEY attended a conference on Canadian Defence Policy sponsored jointly by Queen's University and the National Defence College at Kingston in November.

PROF. J. M. S. CARELESS addressed, as Centennial Lecturer, a group at the Prince of Wales College, Charlottetown, Oct. 11-14, and spoke on "George Brown and Bow Park", in Brantford, Ontario on Oct. 21. He addressed the Toronto Area Research Committee on Oct. 26 on "Toronto's First Hundred Years".

PROF. J. B. CONACHER attended the Midwest Conference on British Studies which met at the University of Notre Dame this year on Nov. 11 and was elected president of the conference. Prof. Conacher is chairman of the Local Arrangements Committee for the joint American Historical Association-Canadian Historical Association meetings which took place in Toronto Dec. 28-30.

PROF. K. W. McNAUGHT was a lecturer in the Centennial Series at St. Francis Xavier University on Nov. 2 and his topic was "The American Influence upon Confederation". He also spoke in the Sudbury Centennial Lecture Series on Oct. 30 on "Makers of Modern Canada: J. S. Woodsworth".

PROF. P. BROCK gave a public lecture at Canisius College, Buffalo, on "The Polish Identity" on Oct. 26 and he also delivered the opening lecture at the 25th Anniversary Conference of the Polish Institute of Arts and Sciences in America, held in New York on Nov. 25.

PROF. C. P. STACEY visited the United Services Institute at Kingston, Ontario, on Nov. 30 where he delivered a lecture, "Generals and Historians".

T. BRADY has submitted a paper entitled "The Application of Computers to the Analysis of Census Data: The Bishopric of Caracas, 1780-1820, a Case Study" for presentation to the International Conference of Economic History to be held at Bloomington, Indiana, Sept. 15-18, 1968.

PROF. H. S. M. COXETER spoke on "Finite Groups of Quaternions" at Trinity College,

Dublin in May, on "The Abstract Group $C_{3,9,10}$ " at the University of St. Andrews in June, also on "Regular Complex Polytopes" and "Inversive Distance" at the Universities of Liverpool and Birmingham; on "The Product of Two Affine Reflections" at a meeting of the London Mathematical Society and on "Transformations from the Geometric Standpoint" (5 lectures) at the University of California, Santa Barbara. In August Prof. Coxeter gave his retiring Presidential Address to the Canadian Mathematical Congress, on "The Problem of Apollonius". In October he spoke on "Loxodromic Sequences of Spheres" at the Universities of Western Ontario and Waterloo and at the Illinois Institute of Technology in Chicago. In November he gave an after-dinner speech, "Reflections on Reflections", at the annual meeting of the Pittsburgh Diffraction Conference.

PROF. J. W. MOFFAT gave an invited talk entitled "High Energy π N Scattering and the Regge Pole Quark Model" at the Annual CAP Conference on High Energy Physics held at Carleton University, Ottawa, in November. He also gave a colloquium entitled "Fundamental Properties of Strong and Weak Interactions" at the Department of Physics, University of Alberta, on Dec. 3.

On Nov. 17 PROF. D. A. L. PAUL gave a lecture at the New England Institute for Medical Research, in Ridgefield, Conn., entitled "Current Research with the Toronto Linac".

PROF. D. YORK gave an invited seminar entitled "The Evolution of the Earth" in the Department of Physics at the University of Waterloo on Nov. 16.

In the Department of Physics, seminars were recently given by the following visitors: DR. W. B. LEWIS, Atomic Energy of Canada Ltd., Chalk River; DR. J. C. D. MILTON, A.E.C.L., Chalk River; DR. T. F. KYCIA, Brookhaven National Laboratory, Upton, N.Y.; DR. T. GREYTAK, Massachusetts Institute of Technology; DR. T. S. LAM, University of Alberta; DR. J. K. KIM, Harvard University; PROF. H. Z. CUMMINS, The Johns Hopkins University; DR. E. WOLL, McMaster University.

PROF. A. J. ARROWOOD spoke at the University of Western Ontario Psychology Colloquium, Dec. 7, on the topic "Lying, Listening, and Liking: Some Strides in Social Perception and Attraction".

PROF. D. E. BERLYNE attended the Conference on Experimental Approaches to Emotional Behavior, Nov. 15-18, organized

by the New York Academy of Sciences as part of its sesquicentennial celebrations. He gave a paper on "Arousal, Reward and Learning".

PROF. ENDEL TULVING gave a colloquium talk in the Department of Psychology at Northwestern University on Nov. 27. The title of the talk was "Some Necessary Conditions for the Effectiveness of Coding Operations in Human Memory".

DR. R. O. BRINKHURST delivered a public lecture in October to the Ontario Society of Naturalists entitled "On Worms and Germs". He also spoke at the University of Cleveland on "On Aquatic Oligochaetes as Indicators of Pollution".

DR. D. W. DUNHAM attended the Xth International Ethological Conference, Stockholm, Sweden, Sept. 16-25.

At the annual meeting of the Entomological Society of Canada held at Macdonald College, Quebec, Aug. 21-24, PROF. C. E. ATWOOD was elected a director of the Society for the term 1967-69. With W. V. BAKER, Prof. Atwood presented a paper on "Photoperiod and Abnormal Development in *Diprion similis* Htg."

DR. DAVID J. MCCALLION attended the International Conference in Embryology in Interlaken, Switzerland, in September and presented a demonstration on "Primary Organization in the Avian Embryo". Dr. McCallion gave invited university lectures in "Immunoembryology" at The Free University of Berlin and the University of Helsinki. He also conducted research seminars at The Wenner-Grens Institute, Stockholm and The International Institute for Embryology at the University of Utrecht, Holland.

PROF. C. S. CHURCHER spoke on "Pleistocene Mammals of the Canadian Plains" to the Society of Vertebrate Palaeontologists on Nov. 15 at the Peabody Museum Auditorium at Yale University.

DR. D. A. DUNHAM addressed the ethology and ecology group at the University of Western Ontario on "Problems in the Analysis of a Threat-Appasement System" on Nov. 29.

University College

PROF. W. J. N. RUDD gave the first lecture in the series entitled "Classical Mosaic" at Carleton University on Nov. 18. Prof. Rudd is to be a Fellow of University College, Cambridge, in the summer of 1968.

PROF. F. M. HEICHELHEIM has been ap-

pointed assistant editor of the *Newsletter* of the Royal Society of Canada.

PROF. CLIFFORD LEECH has accepted an invitation to become advisory editor of *English Language Notes*.

On Dec. 2, PROF. F. E. L. PRIESTLEY addressed a colloquium on the Humanities at the University of Western Ontario. His subject was "The Future of the Humanities in the Universities".

PROF. H. R. MACCALLUM gave a lecture on "'Most Perfect Hero': the Role of the Son in Milton's Theodicy" on Oct. 20 at the conference commemorating the tercentenary of *Paradise Lost*, held at the University of Western Ontario.

"The Diary of Elizabeth Simcoe", written and edited for television by B.-Z. SHEK, and shown to senior elementary school students in April, 1967, has won an Ontario Teachers Federation award as "an outstanding contribution to educational broadcasting". Mr. Shek is also the author of the script for "Man of Kintail", which won in 1961 a Canadian Annual Film Award and was shown on Oct. 25 as a secondary-school telecast in southern Ontario. It tells the story of Dr. Robert Tait McKenzie, after whom is named the Tait McKenzie Honours Society of the School of Physical & Health Education in the University of Toronto.

Victoria College

PROF. F. E. SPARSHOTT contributed a paper on "First Steps in the Theory of Practice" to the Philosophy of Practice Session of the International Philosophy Year at Brockport, N.Y., Nov. 2-4.

PROFS. J. A. GRAFF and W. R. C. HARVEY attended the Conference on Philosophical Logic at the University of Western Ontario, Nov. 10-12.

PROFS. J. A. GRAFF, W. R. C. HARVEY and F. E. SPARSHOTT attended the Ethics Session of the International Philosophy Year at Brockport, Nov. 30 to Dec. 2.

PROF. F. E. SPARSHOTT addressed the English Department Colloquium at the University of Western Ontario on "The Author's Intention in the Critical Theory of E. D. Hirsch", Dec. 8.

At a reception given at the Chateau Laurier, Ottawa, on Dec. 11, DR. H. NORTHROP FRYE was awarded the Canada Council Medal in recognition of outstanding cultural achievement. Dr. Frye is also the recipient of a Centennial Medal.

St. Michael's College

PROF. P. B. BILANIUK took part in the World Congress of Free Ukrainians in New York and, on Nov. 13, delivered a lecture on "The Internal Problems of the Ukrainian Catholic Church". He also participated in a symposium on "The Role of the Priest in the Modern World" held at the University of Chicago, Nov. 19-22, where he delivered a lecture on "The Eastern Christian View of the Priesthood".

PROF. L. E. LYNCH addressed the Second Annual Meeting of the Vanier Institute of the Family in Ottawa on Nov. 18.

PROF. T. L. SUTTOR gave an address at the Anglican Cathedral in Montreal on "The Rationale of Nineteenth Century Catholic Conservatism".

PROF. R. J. SCHOECK gave a series of three lectures at Yale University Nov. 30-Dec. 6 on "Thomas More and the Law".

Massey College

PROF. H. NORTHROP FRYE has been elected a Senior Fellow and PROF. J. TUZO WILSON has been re-elected.

Medicine

Department of Medicine

DR. K. J. R. WIGHTMAN gave a talk entitled "Osler and the New Era of Medicine" to the Workers Educational Association at the Academy of Medicine.

DR. H. J. M. BARNETT gave a talk entitled "The Human Brain—A Century of Groping" to the Workers Educational Association at the Academy of Medicine.

DR. GEORGE STEINER attended the Cold Physiology Conference in Edmonton and presented a paper together with DR. ED SCHONBAUM on "Lipid Metabolism in Cold Acclimation—Effects of Immunosympathectomy". He also attended the American Federation for Clinical Research Eastern Section in Philadelphia on Dec. 8 and 9 and presented a paper entitled "Post-heparin Lipolytic Activity in Fat-induced Hyperlipemia".

DR. H. J. M. BARNETT was Centennial Visiting Professor at the Montreal Neurological Institute and McGill University.

DR. J. H. CROOKSTON gave two lectures "History of Blood Transfusion" and "The Investigation of Transfusion Reactions" at the course "Laboratory Aspects of Blood Transfusion" (for Internists and Patholo-

gists) under the auspices of the Division of Continuing Medical Education, University of Washington, Seattle. He also gave three lectures "Drug-Induced Blood Dyscrasias", "Hemoglobinopathies" and "Myeloproliferative Syndromes" at a short course in Hematology under the auspices of the Postgraduate Division of the Faculty of Medicine, Dalhousie University.

DR. C. EZRIN presented the paper "Peripheral Interaction of T-3 (Tri-iodothyronine) and T-4 in Oestrogen Treated Human Subjects" (co-author, DR. R. VOLPÉ) at the meeting of the Eastern Great Lakes Chapter of the Society of Nuclear Medicine.

DR. C. C. GRAY addressed the Ontario Thoracic Society Meeting and the title of his talk was "Desquamative Interstitial Pneumonitis". He also gave a talk on "Clinical Observations and Discussion on Pulmonary Embolism" to the Refresher Course for Practising Radiologists in Toronto.

DR. J. HARRISON presented a paper "Thorotrast Body Burdens and Late Sequelae Following Myelography" to the Eastern Great Lakes Chapter Society of Nuclear Medicine.

DR. J. MORCH gave a talk on "An Evaluation of the Xenon Constant Infusion Method for Measuring Mitral Regurgitation" to the American Heart Association meeting in San Francisco.

DR. C. R. WOOLF attended the following meetings and presented papers on the subjects indicated: King Edward VII Memorial Hospital, Medical Staff, Hamilton, Bermuda: "Respiratory Failure"; three papers to the Ontario Division, Canadian Anaesthetists' Society, Annual Fall Meeting, Peterborough: "Chronic Obstructive Pulmonary Disease—Medical Aspects"; "The Use of Respiratory Stimulants" and "Organization and Equipment for a Routine Pulmonary Function Laboratory in Small Hospitals"; two papers: "Active Pulmonary Tuberculosis in a Large General Hospital" and "The Present Role and Future of Acute Respiratory Units" to the Ontario Thoracic Society, 7th Annual Meeting, Toronto. He also presented the paper "Intensive Respiratory Care" to the 22nd Annual Postgraduate Course in Clinical Cardio-Pulmonary Physiology (American College of Chest Physicians) in Chicago.

PROF. J. B. ARMSTRONG addressed the Canadian Public Health Association on the subject of "Perspectives of Overweight and Other Factors Related to Cardiovascular Disease" at its annual meeting in Ottawa, last April. He attended the Canadian Medi-

cal Association Manpower Conference in June in Montreal, and the symposium on "Endocrine Aspects of Disease Processes", in honour of Professor Hans Selye at Mont Tremblant in late August. He was an invited speaker to the Joseph Doupe Memorial Symposium, Sept. 28 to 30, at the University of Manitoba.

Otolaryngology

DR. JOSEPH A. SULLIVAN was the guest of honour and speaker at the Second British Academic Conference in Otolaryngology held at Rhodes House, Oxford, England, in August. He also participated in the scientific program.

Postgraduate Medical Education

The two-way radio conference "Serum Enzymes in Diagnosis" conducted on Nov. 21-23, by DRs. W. T. W. CLARKE and ALAN POLLARD over the Albany Medical College station WAMC was well received. The evaluation cards sent in by participating physicians indicated that 95% of them considered this conference either "excellent" or "good". Drs. Clarke and Pollard have been asked to give this presentation next November over a different network.

On Dec. 6, DRs. DAVID R. BOHNEN and DAVID J. MACKENZIE travelled to Kirkland Lake as visiting teachers for a clinical day which was devoted to consideration of patients, medical and surgical, with abdominal disorders.

On Jan. 8, the Division will sponsor a one-day program "Language Problems in Children" for Speech Therapists. On Jan. 15 and 16, a postgraduate clinical meeting in Otolaryngology will be held.

On Nov. 15, representatives of the Division travelled to London to attend a meeting called by the Ontario Council of Deans to discuss training programs in family medicine and on Dec. 7, to Sudbury to meet with the Education Committee of the Sudbury and District Medical Society to discuss forthcoming programs in continuing medical education.

On Nov. 24 DR. J. O. GODDEN and DR. HELEN E. REID conducted a workshop "Introduction to Medical Writing" for third and fourth year medical students at the Victoria Hospital in London.

Law

DEAN R. ST. J. MACDONALD has been appointed chairman of the recently formed

Advisory Committee on the Canada Pension Plan. On Nov. 23 and 24, Dean Macdonald participated in the Canada-Mexico Colloquium in Mexico City sponsored jointly by the Canadian Institute of International Affairs and El Colegio of Mexico.

Applied Science and Engineering

DEAN JAMES M. HAM has been appointed to the Board of Governors of the George Brown College of Applied Arts and Technology of Metropolitan Toronto.

PROFS. O. J. MARSHALL, H. L. MACKLIN, B. J. HAYNES, R. C. GUNN and J. VLCEK attended the "Conference on Survey Education", Oct. 27 to 28 at the University of Toronto. Prof. Marshall was in charge of local arrangements and gave a paper entitled "The Present Status of Survey Education in the Province of Ontario at University Level".

DR. R. M. SOBERMAN was named by NRC to represent Canada at the first meeting of the Expert Group on Urban Simulation Models by the Organization for Economic Co-operative Development (OECD) in London on Dec. 4 and 5.

PETER WODZIANSKI was awarded the Gold Cross of Merit by the free Polish Government in Exile on Nov. 17 for his scientific work and educational activities with Polish professional engineers in England and Canada. The decoration was presented by Alexander Zawisza, the Polish Prime Minister.

PROF. C. A. WRENSHALL attended the 7th Summer School of the Division of Engineering Graphics of the American Society for Engineering Education at the Kellogg Centre, Michigan State University on June 15 to 17. The theme was "Engineering Graphics and Design".

PROF. C. A. WRENSHALL and V. P. BORECKY and P. WODZIANSKI attended the annual meeting of the American Society for Engineering Education at Michigan State University, June 19 to 22.

PROF. W. H. RAPSON presented a paper on "New Concepts for Stream Improvement by Recovery of Bleach Plant Liquors from Kraft Pulp Mills" at the Third Pulp and Paper Industry Conference on Air and Stream Improvement in Vancouver, Oct. 24-26.

PROF. H. L. WILLIAMS chaired the first two Polymer Science Seminars for the

1967-68 season. The first speaker was DR. R. ST. JOHN MANLEY of McGill University who discussed the "Morphology of the Cellulose Molecule". The second was a Toronto graduate, DR. H. MORAWETZ of Brooklyn Polytechnic Institute, who lectured on "Reaction Kinetics in Polymer Solutions".

PROF. R. E. JERVIS visited the nuclear laboratories of the National Bureau of Standards, Maryland, on Nov. 14 and 15 and delivered a lecture "Problems in the Trace Analysis of Biological Materials". He had discussions with the Division of Isotopes Development, United States Atomic Energy Commission, concerning nuclear research programs while in Washington.

PROFS. LUUS, RAPSON, HUMMEL, SPINNER and TRASS attended the American Institute of Chemical Engineers annual meeting in New York at the end of November. At the meeting Prof. Spinner and P. J. Simmons presented a paper "Cyclic Steady-State Diffusion". Prof. Luus and Mr. R. J. Rayzak co-authored a paper which was also presented, "Parameter Sensitivity of Ordinary Differential Equations". Also, Dr. Rapson was a member of a panel on "The Challenge of Chemical Engineering in the Pulp and Paper Industry". Dr. Rapson conducted a seminar on "Pulp Bleaching" in Bangor, Maine, the day following the A.I.Ch.E. meeting.

PROFS. HUMMEL and SMITH, DR. IRIBARNE and DR. FRANTISAK attended a meeting of the American Physical Society in Bethlehem, Pa., the week of Nov. 21 for three days, where Dr. Iribarne and Dr. Frantisak presented two papers on "Non-disturbing Turbulent Flow Measurements Using a Photolitic Dye Technique".

PROF. I. MCCAUSLAND attended a workshop on Computer-Aided Instruction at the State University of New York at Stony Brook, Nov. 16-17.

PROF. G. SINCLAIR attended the Annual Conference on Engineering in Medicine and Biology, Boston, Nov. 13-16, where he participated in an open forum discussion on organizational problems in this field.

PROF. ARTHUR PORTER addressed the Service Club Leaders Conference held by the Association of Kinsmen Clubs on Nov. 15, and spoke to the American College of Hospital Administrators' Educational Assembly on "Knowledge Explosion and Its Impact on Health Services" on Nov. 28. He gave the John Kershman Memorial Lecture in New York to the Eastern Society of Electro-

Encephalographers. His topic was "The Use of Models in the Study of Complex Systems".

PROF. J. W. ABRAMS attended the commemorative conversazione on Dec. 4 held at the Royal Society of London in honour of thirty years of operational research. He spoke to the Engineering Institute of Canada on Nov. 22 on "Operational Research and Systems Engineering".

PROF. M. J. M. POSNER delivered an address on Nov. 20 on the subject "Closed Networks of Queues" to the Toronto Section of the Canadian Operational Research Society.

On Dec. 4 DR. L. E. JONES gave his illustrated Centennial Lecture, "Canadian Engineering—A Century of Achievement", to the Ontario Chapter of the American Society of Heating, Refrigerating and Air-Conditioning Engineers, and on Dec. 12 to the Devonshire Society, University of Toronto (the eighth presentation).

DR. F. P. J. RIMROTT visited Chalmers Institute of Technology in Gothenburg, Sweden, in September and delivered a lecture entitled "Stress Analysis of Extendible Spacecraft Tubing". During Nov. 17-24 he attended the Annual Winter Meeting of the American Society of Mechanical Engineers and gave a paper on "Secondary Effects in Pure Bending of Overlapped Thin-Walled Tubular Spacecraft Booms", which was co-authored by H. P. DEVAUMAS.

PROF. H. R. RICE has been appointed Official Correspondent for Eastern Canada by the Council of the Institution of Mining and Metallurgy, London, England.

Education

PROF. H. O. BARRETT was responsible for the administrative arrangements for the Annual Conference of the Ontario Educational Research Council which met at the Royal York Hotel on Dec. 8 and 9. Fifty-five papers were presented; more than 600 persons were registered.

In October PROF. V. TROTT conducted a seminar series on Leadership and Group Development for teachers under the sponsorship of the Office of Field Services, Ontario Institute for Studies in Education. In November Prof. Trott was resource leader for a three-day workshop in Leadership and Group Development for School Principals sponsored by the Newfoundland Teachers' Association in St. John's. He was also a resource leader for a workshop on Leadership, Supervision and Group De-

velopment sponsored by the Association of Catholic Principals of Montreal. The workshop was held at Ste. Adele en haut, Quebec.

On Dec. 5 PROFS. MACLEAN, MUMFORD and ALEXANDER conducted a one-day workshop on "Contemporary Methods of Teaching Mathematics" for mathematics teachers from Birchmount Secondary School, Scarborough. Teachers from elementary schools in the Birchmount District also attended the workshop.

On Dec. 7 PROFS. MACLEAN and MUMFORD conducted two "Methods" workshops for elementary teachers in the Kenora District. On Dec. 8 they conducted a one-day workshop for Kenora and District Secondary School Mathematics teachers.

From Nov. 23 to 25 PROF. A. S. NEASE was one of The College of Education's representatives to attend the O.I.S.E. Conference on Research and Development.

A conference on "Outdoor Education" sponsored by The College of Education was held at Geneva Park, Lake Couchiching the week-end of Dec. 1. Representatives from all levels of education attended, as well as spokesmen for voluntary organizations concerned with the conservation of natural resources. A unique feature of the conference was the presentation of twenty-five short working papers dealing with the many subject areas involved in outdoor education, as well as programs presently being conducted throughout the province. DR. WALTER TOVELL, Curator, Department of Geology, Royal Ontario Museum, PROF. KENNETH ARMSON of the Department of Forestry, PROF. KIRK WIPPER of the School of Physical Education, and NORMAN MASSEY of the Department of Education served on the steering committee. PROF. WILLIAM SAGER, PROF. UNA ELLIOTT and PROF. JOHN PASSMORE of The College of Education staff were members of the organizing committee, with the latter acting as chairman.

PROF. JEAN STIRLING gave a workshop on International Folk Dance in Winnipeg on Dec. 8 and 9 for a group of staff and students from the Faculty of Education and the Faculty of Physical and Health Education, University of Manitoba.

On Nov. 25 the Women's Physical Education Department at The College of Education, under the direction of Miss JEAN STIRLING and Mrs. JANET ARMSTRONG, presented a one-day workshop on "Dance in Education" for 200 High School Physical Education Teachers.

PROF. W. W. SAWYER has an appeal for co-operation and the *Bulletin* offers a wide field of possibilities! We give you Professor Sawyer's appeal in his own words: "I have been invited to give the opening address at the Commonwealth Conference in Trinidad, September 1968, on Mathematics in secondary schools. I would welcome suggestions from any department of the University on changes that should be made in Mathematics teaching and curriculum to meet the requirements of other disciplines (e.g. science, technology, sociology, linguistics), for the improved teaching of Mathematics itself or for broad humanistic reasons."

Library Science

PROF. OLGA B. BISHOP has been appointed by the Institute of Professional Librarians of Ontario as its representative on the Advisory Council to the Canadian Library Association for the period 1967-1970.

PROF. WILLIAM J. KURMEY attended the Fall Joint Computer Conference at Anaheim, Calif., Nov. 14-16.

Forestry

PROF. E. JORGENSEN chaired a panel discussion on "Arborist Education" at a special regional meeting of the Canadian Chapter, International Shade Tree Conference, held at the Civic Garden Centre in Toronto on Dec. 8.

PROF. K. A. ARMSON attended a meeting on Outdoor Education held at Geneva Park, Lake Couchiching, Dec. 1-3, sponsored by the College of Education.

R. J. FESSENDEN presented a paper, co-authored by DR. C. T. CORKE and DR. F. E. CHASE, both of the Department of Microbiology, University of Guelph, entitled "An Evaluation of Manometric and Enzyme Assay Techniques as Applied to Contrasting Ontario Forest Soils" at the annual meeting of the American Society of Agronomy held in Washington, Nov. 5-10.

Music

PROF. JOHN WEINZWEIG attended the Conference of the Arts Seminar '67 at St. Adele, Quebec, Nov. 29 to Dec. 2.

Two new works composed by PROF. JOHN BECKWITH were given their first performances during November. On the 15th at

Massey Hall, the Toronto Mendelssohn Choir and the Toronto Symphony, conducted jointly by ELMER ISELER and the composer, presented *Place of Meeting*, written in collaboration with the poet DENNIS LEE. And on the 28th, in the Edward Johnson concert hall, the CBC presented *Canada Dash, Canada Dot*, a "centennial collage-trilogy" for speakers, singers, and instrumental ensemble, written in collaboration with JAMES REANEY. Prof. Beckwith's choral composition, *Sharon Fragments*, has just been recorded for Capitol Records of Canada by the Festival Singers of Toronto under Elmer Iseler's direction.

WARREN DRAKE read a paper entitled "Cherubini's *Watercarrier* and the German Romantics" at a meeting of the Mid-west Chapter of the American Musicological Society in Chicago, Nov. 11-12.

DEREK HOLMAN obtained his Doctor of Music Degree (D.Mus) from the University of London, England on Nov. 18.

PROF. OSKAR MORAWETZ' *Passacaglia on a Bach Chorale* was performed twice in November by the Montreal Symphony Orchestra in the Place d'Armes and three times in December in concerts for high school students. His *Overture to a Fairy Tale* has been performed by the Ottawa Symphony with Nicholas Goldschmidt conducting.

Pharmacy

PROF. G. C. WALKER was elected to the President's Council of the University of Toronto and to the Board of Directors of the Faculty Club. He acted as general chairman of the Canadian Conference on Pharmaceutical Research held in Toronto, Aug. 15. On Sept. 28 he addressed the Research and Development staff of Smith Kline & French Inter-American Corp. at Senneville, Quebec. He addressed the Hamilton Pharmaceutical Association, Nov. 27 on "Generic or Non-Proprietary Drugs".

Architecture

DEAN HOWARTH lectured at the Hamilton Art Gallery on Nov. 14 on the subject of "Canadian Architecture and University Planning", and to the Canadian Operational Research Society Dec. 11 on "Design Problems in the Urban Environment". During November Dr. Howarth visited campuses of the University of the West Indies by

invitation of that University under the arrangement with the External Aid Office and the University of Toronto, in order to advise on the establishment of educational programs in the environmental design disciplines.

PROF. J. H. ACLAND spoke to the architecture undergraduates of McGill University on Nov. 16 on "The City Today".

PROF. A. J. DIAMOND was chairman of the Manitoba Association of Architects' Awards Jury and special consultant to the City of Edmonton on their urban renewal program.

PROF. D. H. LEE presented a paper on "Masonry-Bearing-Wall Construction for Multi-Storey Buildings" to the Ontario Concrete Conference sponsored by the Concrete Industries of Ontario and the Department of Civil Engineering, University of Toronto. Prof. Lee also participated in the National Camp Development Workshop of the Canadian Association for Retarded Children, and the Residential Care Conference of the Ontario Association for the Mentally Retarded, both recently held in Toronto.

PROF. A. P. C. ADAMSON gave a public lecture at the Hamilton Art Gallery on "The Paintings at Dundurn Castle".

PROF. HANS BLUMENFELD was appointed an honorary member of la Corporation des Urbanistes de Québec. He participated in a two-day conference on Research in Urban Transportation in Paris, France, by invitation of the Organization for European Cooperation and Development. Prof. Blumenfeld also gave special lectures during the summer on "Metropolitan Planning" to chapters of the German Academy of City and Regional Planning at Hanover and Hamburg, Germany, and at the Technical University of the Middle East, Ankara, Turkey. His book *The Modern Metropolis* has been published by M.I.T. Press and Harvest House.

PROF. GERALD HODGE has been appointed chairman of the board of examiners of the Town Planning Institute, and has been elected to the council of the Central Ontario Chapter; he is currently vice-chairman of a national advisory committee on Urban Land Use Coding in Canada.

Recent visiting lecturers to the Faculty have included PROF. R. BOLAN of Boston College; PROF. J. LAWRENCE of the University of Michigan; PROF. J. GRANGER of the University of Montreal, and DAVID HICKS of London, England.

Men's Athletics

The University's hockey team has been invited to Innsbruck, Austria, to represent Canada in the World's Student Winter Games. They leave on January 15, play from Jan. 21 to 28, and return on Jan. 30.

Social Work

DR. FRANCIS BREGHA, during the Confederation of Tomorrow meeting in Toronto and the Estates General sessions in Montreal, presented analytical comments on the French CBC network.

DR. R. E. G. DAVIES presented a paper on "The Social Effects of the Tax System" at the Annual Conference of the Canadian Tax Foundation, Montreal, Nov. 29.

DR. A. JOHN FARINA was appointed to the Board of Directors of the Canadian Civil Liberties Association, and attended the meeting of the Association. On Oct. 13 he addressed the Northern Ontario Recreation Association Conference on "Looking through the Crystal Ball"; and on Nov. 6 addressed the Workers' Education Association on "The Role of Labour in Federal Politics".

DR. CHARLES E. HENDRY was named vice-chairman of the newly established Continuing Conference on Education and Training for the Social Services in Ontario at an all-day meeting at Hart House, Oct. 16. He served as rapporteur at a consultation under the auspices of the Canadian Welfare Council at St. Adele, Quebec, Oct. 20-22. Dr. Hendry attended the meetings of the Association of Universities and Colleges of Canada, Montreal, Oct. 31 and Nov. 1, when the Canadian Association for Education in the Social Services was established; attended the Board of Directors' meeting of the Council on Social Work Education in New York, Nov. 2 and 3; chaired a meeting of the Executive Committee of the Canadian Welfare Council in Montreal, Nov. 7; attended a Board of Governors' meeting of the Canadian Welfare Council in Montreal, Nov. 8; attended a meeting of the General Committee of the Canadian Conference on Church and Society, Montreal, Nov. 9; attended the Opening Conference of the Vanier Institute of the Family in Ottawa, Nov. 17; attended meetings of the National Officers and General Council of the Canadian Red Cross, Toronto, Nov. 19 and 20; and attended the seminar on Welfare Development under the

auspices of the Canadian Centre for Community Studies, Ottawa, Nov. 29 and 30.

DR. RAY JOHNS served as animateur and discussion chairman at a consultation reviewing the objectives, services, structure, and financing of the Canadian Welfare Council at St. Adele, Quebec, Oct. 20-22, attended by federal officials and business and professional leaders from across Canada. He also attended a meeting of the Organizational Study Commission of the National Council of Y.M.C.A.s in the United States, held at Atlanta, Georgia, Oct. 19 and 20.

PROF. MARGARET J. KIRKPATRICK was named to the Nominating Committee of the Canadian Association of Social Workers, to the Board of the Ontario Conference on Children, to the Board of the Family Service Association of Metropolitan Toronto, to the Casework Committee of the Family Service Association of Metropolitan Toronto, to the Board of St. Faith's Lodge (Warrendale), to the International Social Services Committee of the Canadian Welfare Council, and to the Advisory Committee on Social Welfare of Centennial College.

NATHAN MARKUS led a symposium on "The Supervision of Professional and Non-professional Staff" for the total staff of the Metropolitan Toronto Y.M.C.A. on Nov. 17.

DR. ALBERT ROSE chaired a session on "Housing: The Years of Crisis" at a conference on "Toronto: The Pressures of Growth—The Forces of Change", sponsored by the Toronto Daily Star in association with the University of Toronto, Nov. 2 and 3.

DR. BENJAMIN SCHLESINGER spoke to the Toronto Kindergarten Association on Oct. 24 on "The Culturally Deprived Child". He was asked to serve on the editorial board of the journal, *Family Life Co-ordinator*. For eight weeks beginning Oct. 24, Dr. Schlesinger will lead a weekly seminar of 22 principals and vice-principals of North York Board of Education on "The Teacher in Society". He attended the annual meeting of the Vanier Institute of the Family in Ottawa on Nov. 16-18; and spoke to the Ladies Lawyers Sorority of Kappa Beta Pi on "Marriage and the Law" on Nov. 30.

DR. BEN Z. SHAPIRO was chairman of the Workshop on "Planning for Social Service on the Community Level" held by the Centennial Year Alumni Association of the School of Social Work, Nov. 3. He led Volunteer Training Sessions at St. Christopher House, Toronto, on Nov. 20 and B'nai

Brith Youth Organization, Toronto, on Nov. 27.

DR. BESSIE TOUZEL is a member of the Laidlaw Foundation Board responsible for advising on grant allocations; and acts as consultant to the Canadian Red Cross on their projected study by the Nursing Services Committee.

Hygiene

PROF. P. A. RUDERMAN has been appointed chairman of the Research Subcommittee of the Committee on Health Aspects of Welfare of the Canadian Welfare Council.

The World Health Organization has provided grant support for a second year for the Study of Different Patterns for the Provision of Personal Health Services being carried out by PROFS. J. E. HASTINGS and F. D. MOTT in Sault Ste. Marie, Ontario. The World Health Organization grant is to permit the collection of data suitable for international comparison with studies in several other countries. Major support for the study also comes from a National Health Grant.

DR. G. H. BEATON and DR. ROY SHEPHARD participated in an organizational meeting for an International Study of the Eskimo. The meeting, held at Point Barrow, Alaska, Nov. 18-21, attended by participants from the United States, Denmark, Finland, Norway, France and Japan as well as Canada, considered the procedures to be followed in studying Eskimo populations in Wainwright, Alaska, in the Igloodik district of Northern Canada, and in Greenland. The studies will be of a multidisciplinary nature and will extend over a five year period, possibly with further time required for complete comparison of data between populations and integration of the interdisciplinary data to provide better understanding of how these circumpolar populations have adjusted to their environment. Over the period of the study it is hoped that it will also be possible to study the effects of the current changes in the Eskimo's way of life, particularly in Northern Canada where the population is in a state of rapid transition.

The studies will be sponsored under the Human Adaptability section of the International Biological Program. The conduct of similar studies of populations living in other parts of the world under widely divergent environmental conditions will provide information about the ability of man to

adapt to different environments and about the basic biological limits of human life.

DR. L. A. LAWTHER, Director of the Air Pollution Research Unit, St. Bartholomew's Hospital, Medical Research Council, London, England, presented a seminar on Dec. 7 on "Air Pollution—Its True Aspects", to the graduate students and senior medical students, School of Hygiene.

Business

PROF. M. R. HECHT spoke on "Management Development" at a seminar on "Managing the Engineering Function", held Oct. 25-27, as well as chairing the general sessions. He spoke on "Education Expeditior of Change" to an Executive Forum on "Change and the Dynamic Organization" on Nov. 15, and chaired a panel session on "The Outlook for the Future" at the Furniture and Home Furnishings Export Seminar conducted Nov. 29 by the Trade and Industry Branch of the Department of Economics and Development of the Government of Ontario.

Aerospace Studies

DR. I. I. GLASS attended the 28th Semi-Annual Meeting of the Supersonic Tunnel Association, at Denver, Oct. 30-31, and presented a lecture on the "UTIAS Implosion-Driven Hypervelocity Launcher". He also paid a visit to the Martin Co., Denver Division, to inspect the manufacture of the Titan III launching rockets. Dr. Glass visited the Aerospace Research Laboratories, Dayton, Ohio on Nov. 13 in order to discuss the UTIAS Implosion-Driven Hypervelocity Launcher research project and its funding. He also attended the Twentieth Anniversary Meeting of the Division of Fluid Dynamics, American Physical Society, at Bethlehem, Pa., Nov. 20-22. He was chairman of the session entitled, "Shock Flows I", which consisted of ten contributed papers. He was appointed a member of the NASA Basic Research Advisory Subcommittee on Fluid Mechanics, Office of Advanced Research and Technology, for the period Aug. 31, 1967 to June 30, 1968. He attended a meeting of the Subcommittee, Nov. 30 to Dec. 1, at NASA Headquarters, Washington, in order to discuss current problems in fluid mechanics pertaining to subsonic and supersonic flight. Dr. Glass visited the Cornell Aeronautical Laboratory on Dec. 8, in order to discuss current

research in hypersonic gasdynamics. He also gave a seminar on "Explosively-Driven Spherical Implosions".

DR. R. M. MEASURES presented a paper entitled "A New Approach to Localized Diagnostics", at the 8th International Conference on Ionization Phenomena in Gases that was held in Vienna from Aug. 27 to Sept. 2.

DR. H. S. RIBNER attended the 74th Meeting of the Acoustical Society of America, Miami Beach, Nov. 13-17 and presented a paper on "Noise from a Simplified Model of a Supersonic Turbulent Shear Layer". He visited Catholic University, Washington, Dec. 7, and lectured on "The Physics of Jet Noise".

Bio-medical Electronics

PROF. N. F. MOODY has been awarded a National Research Council Senior Research Fellowship.

DR. HANS KUNOV and graduate students A. CAPPELL and J. SMITH represented the Institute at the First International Symposium on Holography, Huntington Beach, California, Dec. 14 and 15. Mr. Smith presented a paper "Application of Fourier Transforms in Assessing the Performance on an Ultrasonic Holography System", which he co-authored with Prof. Moody.

DR. R. COBBOLD was the guest of the Materials Research Institute at McMaster University on Nov. 27 and reported on "The Effects of Substrate on M.O.S. Transistor Performance".

PROF. H. O'BEIRNE attended a conference on Computer Applications in Clinical Electrocardiography in Washington, D.C. on Nov. 17 and 18.

Computer Science

PROF. T. E. HULL presented seminars on "The Numerical Solution of Ordinary Differential Equations" at the Universities of Alberta and British Columbia, on Nov. 30 and Dec. 1.

PROF. J. N. P. HUME participated in a small study group on Computer Science convened by the Science Committee of NATO in Copenhagen in November.

PROF. W. KAHAN delivered two lectures in the Department of Computer Sciences of the University of Wisconsin, Madison on Dec. 11: "A Survey of Error Analysis" and "Ellipsoidal Error Bounds for Trajectory Problems". He also addressed the Applied Mathematics Department of the Argonne

National Laboratory in Chicago on "A Survey of Error Analysis" on Dec. 13.

PROF. L. MEZEI delivered an illustrated talk on "Computer Graphics and Computer Art" to an invited audience at the National Film Board of Canada in Montreal on Nov. 21. On Nov. 22 he delivered a public lecture on the same subjects at McGill University. Prof. Mezei became an assistant editor of *Computers and Automation*, published in Newtonville, Mass., and a contributing editor of the *Canadian Hearing Review*.

PROF. BARTON CLAUDUS of the Computing Centre of the University of New Brunswick visited the Department of Computer Science during the month of November.

D. M. KAPLAN of Stanford University gave a colloquium in the Department of Computer Science on "Formal Methods and Informal Problems" on Dec. 11.

Great Lakes Institute

On Nov. 29 at Erindale College, DR. A. D. MISENER gave a lecture entitled "The Uniqueness of the Great Lakes". This was one of the inaugural lectures in the series "The Frontiers of Science".

DR. A. D. MISENER, DR. P. H. JONES and DR. F. E. J. FRY represented the Institute at the Ontario Pollution Control Conference, Dec. 4-6.

DR. F. E. J. FRY attended the Great Lakes Fisheries Commission at Ann Arbor in his capacity as a consultant.

Pontifical Institute of Mediaeval Studies

PROF. J. REGINALD O'DONNELL attended an international meeting held in Rome to revise the constitution *Deus Scientiarum Dominus*, Nov. 20-Dec. 1.

PROF. DENO J. GEANAKOPOLOS of Yale University visited the Institute and read a paper on "Orthodoxy and its Historical Relations with the Roman Catholic Church", on Dec. 8.

Scholars with special interest in medieval universities and attending the annual meeting of the American Historical Association were the guests of PROF. J. K. MCCONICA at a meeting and reception at the Institute, Dec. 30.

PROF. LEONARD E. BOYLE read a paper on "The Place of Clerical Celibacy in the Life of the Church: Gregory VII to Clement V" at the Forty-Eighth Annual Meeting of the American Catholic Historical Association, held in Toronto, Dec. 28-30.

Russian and East European Studies

PROF. H. GORDON SKILLING delivered a lecture at Princeton University on Nov. 17 on "Group Conflict in Eastern Europe". On Nov. 16 he visited Columbia University where he spoke at the University seminar on Communism on "Interest Groups in Communist Politics" and also took part in a panel discussion at the Russian Institute, entitled "Politics in the USSR". Prof. Skilling was chairman of a session at McMaster University's conference on the Soviet Union after Fifty Years on Nov. 11. On Nov. 30 he spoke on "Group Conflict in Eastern Europe" at the University of Michigan.

O.I.S.E.

(Ontario Institute for Studies in Education)

DR. JOHN C. CROFT was a staff member at the Nov. 19-25 Group Process and Organizational Skills Institute, jointly sponsored by York University and the Canadian Association for Adult Education.

Recent papers given by DR. MARION JENKINSON are: "Implication of Recent Developments in Reading and Language for Teacher Education" at the second invitational conference on Elementary Education, Banff, Oct. 25; "From Theory Into Practice: Language Arts", to the Scarborough Principals' Association, Peterborough, Nov. 2-3; "Transferring Research Into Effective Classroom Teaching" to the New Jersey Reading Teachers' Association, Atlantic City, Nov. 10.

PROF. JOHN HERBERT participated as vice-president in the meeting of the Associations of the Master of Arts and Teaching Program at Stanford University, Nov. 15-16, and acted as consultant for the Psychological Foundations Planning Group of the Oregon State Department of Education on Nov. 17. Dr. Herbert gave a paper at this conference, "Psychology in the Teacher Preparation Program". He also attended the Nov. 8-10 International Curriculum Conference at Columbia University Teachers' College and the Micro-Teaching Conference at Stanford University, Nov. 13-15.

DR. HERMAN KOENIG, Michigan State University, addressed an Educational Planning Seminar on "A State-Space Model for Resource Allocation in Higher Education".

DR. L. D. McLEAN presented a paper "Technology and the Control of Education"

at the Nov. 23-24 conference on Education and Technology sponsored by the Canadian Council for Research in Education at Ottawa. During November Dr. McLean also visited the Fall Joint Computer Conference, Anaheim, California; a meeting of Regional Educational Laboratories, Santa Monica, California; and the meeting of College Presidents, the Park Plaza Hotel, where he gave a half hour talk on "Computer-Assisted Instruction".

DR. HARVEY G. NARROL spoke to the Fall meeting of Toronto Nursery Education Association on "The Application of Conditioning to Preschool Education" and to the annual meeting of the Ontario Association for Teachers of Retarded Children, London, Ontario, when he discussed the application of conditioning to the problems of behaviorally retarded children.

"Cognitive and Motivational Factors in Cultural Deprivation" was presented by DR. DAVID P. AUSUBEL at Calgary University on Oct. 31 and at the University of Alberta on Nov. 1. On Nov. 2, Dr. Ausubel presented a paper "A Mentalistic Conception of Word Meanings" at the Centre for Theoretical Psychology, University of Alberta. He attended the Board of Directors meeting, Sex Information and Education Council of the United States, Oct. 16-17 in New York.

DR. DAVID S. ABBEY presented "Educational Needs and Architectural Solutions" at the Department of Education Design Workshop, "Education and Architecture in the 20th Century" at Scarborough College. "Attitude Formation and Change" was the title of a paper given by Dr. Abbey at the tenth conference on mental retardation held in Quebec City. Dr. Abbey also attended the Canadian Council for Research in Education meeting in Ottawa, Nov. 23, acting as a panel member to discuss "Quality of Education and Technology".

DR. K. F. PRUETER discussed "Educational Innovation and Change" in a paper presented to the annual convention of the Oshawa Teachers' Institute, Oct. 27.

Royal Ontario Museum

DR. GORDON EDMUND attended the Society of Vertebrate Palaeontology annual meeting, Nov. 13-16, at the Yale Peabody Museum. While there he obtained high fidelity copies of about 100 Yale specimens to aid research on western Canadian fossil mammals. MR. GERALD O'CONNOR, who has joined the Vertebrate Palaeontology

Department staff in the fossil preparation laboratory, helped to mount the Protoceratops, presented to the Museum by the children of Ontario as a centennial project and unveiled at a children's party Dec. 7.

MRS. BARBARA STEPHEN visited Cleveland and New York, Dec. 6-11, to see museums and to attend the exhibition of Japanese Arts of the Heian period at Asia House, New York. Miss DORIS DOHRENEWEND spoke to the Society for Oriental Studies, Toronto, Nov. 15 on "Archaeology in China since 1949: the Yunnan Finds". From Dec. 12 to 18 she was in Washington, D.C. for research in the Freer Gallery Collections and in New York for the Asia House exhibition.

The Mineralogy Department was represented at the combined meetings in Kingston, Aug. 31-Sept. 2 of the Mineralogical Association of Canada, the Geological Association of Canada, the Mineralogical Society of America and L'Association pour l'Etude Geologique des Zones Profondes de l'Ecorce Terrestre. In attendance were Dr. J. A. MANDARINO, DR. R. I. GAIT and Mr. G. PAWLICK. Dr. Mandarino presented papers on "Reflectance Spectrophotometry in Mineralogy" and on "The Royal Ontario Museum's new Gallery of Mineralogy". Dr. Mandarino and Mr. Pawlick later assisted as leaders on a post-meeting field trip to St. Hilaire and Oka, Que.

DR. V. B. MEEN attended meetings in New Orleans, Nov. 17-22, of the Geological Society of America and the Mineralogical Society of America.

DR. G. B. WIGGINS was the guest of the Department of Entomology at Michigan State University for two days in November. While there he spoke to a seminar on his research program on the Trichoptera.

DR. T. C. YOUNG JR. attended informal meetings, Nov. 15-17, at the University of Michigan. He assisted in preparing that University's long range program of historical and archaeological research in western Iran. On Nov. 16 Dr. Young gave a public lecture on "Recent Survey and Excavation in Western Iran: An Ecological Approach to Archaeology". From Nov. 30 to Dec. 2, he attended meetings in Washington of the American Anthropological Association. Mrs. LISA GOLOMBEK of the West Asian Department spoke to a graduate seminar in Islamic Art and Archaeology at the University of Michigan on Dec. 6. She discussed her field research in Iran, Afghanistan and central Asia.

The Library

At the Association of Research Libraries' Preservation Committee meeting held at the Library of Congress in Washington, D.C. Nov. 29, R. H. BLACKBURN heard the first report on the preservation pilot project conducted at L.C. for the committee.

Also at the Library of Congress, D. SMITH attended a meeting of MARC participants held on Dec. 4. Discussed at the meeting was the new format for MARC II and the possibility of sharing programming work.

On Dec. 8 R. H. BLACKBURN flew to Chicago to chair the Center for Research Libraries Board meeting.

H. SHOLLER, MRS. M. GALT, and Miss E. BRADLEY attended the conference of the New England Group of the Medical Library Association, held at McGill University, Nov. 2-4. The panel discussion on the administration of medical libraries was chaired by Mr. Esterquest of Countway Library in Boston.

M. ROSENSTOCK visited five large American Libraries in order to examine and discuss such questions as the extent of library responsibility for book selection, the nature and extent of faculty involvement in book selection in a university library, library policy in regard to retrospective buying, methods of acquiring current material and provision for undergraduate and graduate courses. He found the libraries nearly entirely accepted the responsibility for book selection; at the university libraries, the faculty are only marginally involved. The Library of Congress and the New York Public Library were the only two of the five which utilized the blanket order system. Yale, Harvard and Columbia understandably spent most of their book selection and order time on current material. None felt the urgency to stress retrospective buying in the same way as we did, nor did the university libraries concentrate on provisions for graduate and undergraduate courses on the same scale.

The Press

The following have been published since the November issue of the *Bulletin*:

Patterns of Social Functioning in Families with Marital and Parent-Child Problems. By Gerson David. \$7.50

Undergraduate Instruction in Arts and Science (The Macpherson Report). Chairman, C. B. Macpherson. \$1.50

Approaches to Canadian History. Intro-

duction by Carl Berger. (Canadian Historical Readings No. 1) \$1.50

Lysergic Acid Diethylamide (LSD) in the Treatment of Alcoholism. By Reginald G. Smart, Thomas Storm, Earle F. W. Baker, and Lionel Solursh. (Brookside Monographs of the Alcoholic Research Foundation No. 6) \$6

Disraelian Conservatism and Social Reform. By Paul Smith. (Studies in Political History) \$10

Mechanical Design: Reference Sources. Edited by James Norman Siddall. \$5

Westcountrymen in Prince Edward's Isle. By Basil Greenhill and Ann Giffard. \$8.25

Cyclical Changes in Trade Balances of Countries Exporting Primary Products, 1927-1933. By S. G. Triantis. (Canadian Studies in Economics No. 20) \$4.50

Economic Growth in Canada: A Quantitative Analysis. By N. H. Lithwick. (Canadian Studies in Economics No. 19) \$3.95

Godwin Criticism: A Synoptic Bibliography. By Burton R. Pollin. \$18.50

Hours and the Birds: A Saskatchewan Record. By R. D. Symons. \$12.50

Water Resources of Canada. Edited by Claude E. Dolman. (Royal Society of Canada Studia Varia Series No. 11) \$7.50

A Primer of Sociometry, 2nd Edition. By Mary L. Northway. \$3.50 (paper \$1.95)

Canadian Transportation Economics. By A. W. Currie. \$15

The Utilization of Educated Manpower in Industry. By M. Blaug, M. H. Peston, and A. Ziderman. \$7

Old Norse-Icelandic Studies: A Select Bibliography. By Hans Bekker-Nielsen. (Toronto Medieval Bibliographies) \$3.50

Metaphysical Analysis. By John W. Yolton. \$7.50

Identification of North American Commercial Pulpwoods and Pulp Fibres. By I. Strelis and R. W. Kennedy. \$7.50 (paper \$2.50)

Building with Wood and Other Aspects

of Nineteenth-Century Building in Ontario. By John I. Rempel. \$17.50

A Slice of Canada: Memoirs. By Watson Kirkconnell. \$8.50

Appalachian Tectonics. Edited by Thomas H. Clark. (Royal Society of Canada Special Publications No. 10) \$6.50

The Politics of Survival: The Conservative Party of Canada, 1939-1945. By R. L. Granatstein. \$6.50

Bacteriology Primer in Air Contamination Control. By V. Victor Kingsley. \$2.50

Systems and Computer Science. By John F. Hart and S. Takasu. \$17.50

Patterns of Commitment in American Literature. Edited by Marston LaFrance. \$7.95 (Canadian University Paperbooks No. 71, \$2.95)

Euripidean Drama: Myth, Theme and Structure. By D. J. Conacher. \$8.50

Other Books

Coleridge: A Collection of Critical Essays. Edited by Kathleen Coburn. Prentice Hall, Englewood Cliffs, N.J.; Twentieth Century Views Series, 1967.

Alexander of Hales' Theology of the Hypostatic Union. By Walter H. Principe. Pontifical Institute of Mediaeval Studies: Studies and Texts, No. 12. November 1967.

Bokem om Månen, Swedish translation of *World of the Moon*. By H. C. King, Rabén and Sjögren, Stockholm. November 1967.

The Professional Teacher in Ontario. Revised Edition. By W. T. Newham and A. S. Nease. The Ryerson Press, Toronto, 1967.

The Union of the Canadas, 1841-57. By J. M. S. Careless. Canadian Centenary Series.

Educational Television, an abstract of the proceedings of the international Educational Television Conference, held in Newfoundland, September, 1966. Edited by Lewis Miller. Published by the Queen's Printer, Catalogue No. BC2-5467, \$2.50.

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